

**Revision #3**

Purchasing Agent: David Gill

Phone: (801) 538-3254

Email: [dgill@utah.gov](mailto:dgill@utah.gov)**ITEM: Sweeper, Options, OEM Parts and Service.**

VENDOR: 10965BA

A G BODY INC.  
P.O. BOX 27755  
SALT LAKE CITY, UT 84127Internet Homepage: [www.agtruck.com](http://www.agtruck.com)

General, Sales and Usage Contact: John P. Leroy  
Telephone: (801) 975-0400  
Cell Phone: (801) 580-2740  
Fax number: (801) 975-7567  
Email address: [jpl@agbody.com](mailto:jpl@agbody.com)

Reporting type: Summary

Brand/trade name: ELGIN

Price: See price list and options  
• Note: The sweepers and options are competitively bid, parts and service are a sole source posting.

Terms: Net 30 days  
Effective dates: 6/10/2006 through 6/9/2008  
Renewal options: 2 one-year options  
Maximum potential termination date: 6/9/2010  
Days required for delivery: Within 48 hours of receipt of order for parts;  
60-90 days for a new unit  
Price guarantee period: To Dec. 31, 2006. Annually thereafter  
Minimum order: \$20.00  
Min shipment without charges: \$20.00

Other conditions: Parts discount off list price: 5%  
Service hourly rate: \$75.00  
(Continued on page 2)

**Revision #3: Price increases**

Bid number GL6052 and GLSS5014 (Elgin parts and repair service)

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor creating a DO in Finet. Agencies will return to the vendor any invoice which reflects incorrect pricing.



(Other Conditions Continued)

**Catalogue:** A list-price catalogue may be obtained by contacting AG Body. Request to be put on their mailing list for annual updates.

**Delivery Charge:** For parts there is no freight charge within Salt Lake County. Delivery charges to other locations may be added as a separate line item without markup. For new units, the delivery rate per mile beyond a 50 mile radius of the State Capitol Building is \$1.00 per mile.

**Guarantees:** All parts supplied by the Contractor shall carry a minimum 90 day warranty. Any defective parts of workmanship shall be replaced without cost and with AG Body paying the freight.

**Limited Warranty:** Elgin's standard warranty applies to new units. The warranty may be found at the end of the specifications.

**FINET COMMODITY CODES:** For Agency use only

92979000000 - SWEEPERS, STREET, MAINT/REPAIR

93648000000 - INDUSTRIAL EQUIPMENT (NOT CONSTRUCTION AND REPAIR, OR HVAC)  
MAINT/REPAIR

76577111020 - BROOM SIDE SEGMENT SET ELGIN SWEEPER #1035685

76577000000 - SWEEPERS, DRAG BROOMS, ETC. AND PARTS

---

**REVISION HISTORY:**

Revision #1: Delete "Whirlwind" and "Crosswind" sweepers

Revision #2: Note to clarify bid vs. sole source

Revision #3: Price increases



Part Number	Description	Price
1076290	Eagle WF Waterless (Base Price)	\$202,862.00
1060502	Eagle F (Base Price)	\$177,671.00
1080812	Autolube Eagle WF (Sweeper only)	\$5,016.00
1061150	Autolube Eagle F (Sweeper only)	\$3,728.00
1080811	Autolube Eagle WF (Sweeper & Chassis)	\$6,020.00
1061152	Autolube Eagle F (Sweeper & Chassis)	\$4,732.00
1084847	Lifelast hopper liner	\$3,316.00
1048298	Arrowboard	\$1,082.00
1054222	Extended Side Broom Reach LH	\$1,143.00
1046521	Extended Side Broom Reach RH	\$1,143.00
1078353	Rear Engine Cover (Eagle F' Only)	\$2,390.00
1048642	Slow Moving Vehicle Sign	\$62.00
1037647	Yellow Chevron Stripes	\$180.00
1048960	Yellow/Black Chevron Stripes	\$361.00
1035685	Replacement Side Broom	\$148.00
1058158	Strip Broom ILO of Standard	\$0.00
EAFK4	PMA Filter Kit	\$209.00
ECFK6	PMB Filter Kit	\$186.00
1078496	PM 10 Compliant option	\$1,844.00
1078562	Oil press water temp F	\$ 494.00
1078564	Oil/Coolant Lvl-Tmp/Oil Lvl F	\$ 675.00
1078563	Oil/Coolant/Hyd Shutdown F	\$ 587.00
1067105	Fuel/Water Separator	\$1,185.00
1063447	Transmission Oil Cooler F	\$1,349.00
1061887	Dual Air Horns	\$ 664.00
1044103	HD/AR Cnvyr Lwr Roller F	\$ 654.00
1037643	Hyd Oil Temp Gauge F	\$ 278.00



1047352	Hyd Tmp/Press Gauge F	\$ 721.00
1078561	Hyd Lvl Light F	\$ 185.00
1071015	Dual MB Regulator	\$ 500.00
1035647	Water Fill Gauge F	\$ 484.00
1035614	MB Hour Meter F	\$ 304.00
1061886	Hyd Oil Level Gauge FJ	\$ 129.00
1048468	Beacon Light - Fed. Sig.	\$ 139.00
1055272	Strobe Light - Fed. Sig.	\$ 268.00
1035636	(4) 7" Flash Lights F	\$ 680.00
1037442	Beacon/Strobe Protector	\$ 124.00
1048458	Light Protector Frnt-Y/RearF	\$ 124.00
1063732	Paint SC8000 Cab Color	\$ 2,251.00
1078875	Aux Engine Block Heater F, FW,W	\$ 288.00
1078464	Silicone Hoses JD - F	\$ 180.00

## **Specification**

### **PART I: GENERAL CLAUSES AND CONDITIONS**

Pre-build pilot paper review at Utah Department of Transportation location within 10 days after bid has been awarded. Pilot Sweeper required 120 days after paper pilot review.

A pilot review will be required at the manufacturer's factory. Expenses for (2) two Utah Department of Transportation representatives for the pilot review to be included in bid. A pilot review is not required for non-UDOT users.

### **PART II: GENERAL SPECIFICATIONS:**

The equipment is to meet the following minimum specifications, but is not limited as to features furnished by the manufacturer.

Non-UDOT users may modify the specifications and features as approved by and acceptable to the supplier. The costs of changes shall be calculated using list price less the discount percent in Option 17 unless they are options already priced in the bid.

Variation in construction details may be allowed if these variations result in the same or greater basic strength and durability and can be accomplished using specifications herein. Any variation in construction must be approved by the Utah Department of Transportation prior to bid opening.

Any brand or make of sweepers purposed for this order must have been manufactured before and have a record of successful use. Sweepers proposed as equal must be approved by the Utah Department of Transportation prior to bid opening.

All warranty periods shall start after equipment has been put into service. Basic warranty shall include agreement to allow all Utah Department of Transportation mechanic shops to be approved, to complete "In-house" warranty repairs in Utah Department of Transportation shops. The warranty shall include parts and labor reimbursement.

Submit detail drawings for approval before manufacturing Sweeper.

### **PART III: DETAIL SPECIFICATIONS:**

#### **AXLES**

Front -12,000 lbs. (5,454 kg) with 12,000 lbs. (5,454 kg) springs

Rear -Two speed 21,000 lbs. (9,545 kg) with 21,000 (9,545 kg) air bag suspension, solid axle during sweep and dump, fully sprung during transport.

Ratio -5.86/8.17:1

Gross Vehicle Weight Rated (GVWR) -32,000 lbs. (14,545 kg).

#### **BRAKES**

Service: Type -Full air, anti-lock

Front -15 in. x 4 in. (380 mm x 100 mm) drum

Rear -16.5 in. x 7 in.(419 mm x 178 mm) drum

Compressor Capacity -15.2 CFM (0.39 m<sup>3</sup>/min)

Auto slack adjusters, front and rear

#### Parking:

Type - Spring set, air release

Air Dryer BW-AD-9 heated

#### CHASSIS

Manufacturer: Sterling

Model -SC8000

Frame: Type -Rail, High Strength, 110,000 PSI, 17.21 section modulus

Size -10.94 in. x 3.5 in. x 0.343 in. (262 mm x 89 mm x 8.7 mm)

Exhaust -Vertical R.H. behind cab

#### DIMENSIONS (with sweeper mounted)

Wheelbase -121 in. (3075 mm)

Cab to axle -91 in. (2311 mm) usable.

Overall Length -274 in. (6960 mm)

Overall Height -110 in. (2794 mm) Top of cab

Overall Width -96 in. (2438 mm)

Dumping Clearance Height -236 in. (5994 mm)

Turning Radius -19 ft. 3 in. (5867 mm)

Travel Speed -Legal Highway Speeds

#### ELECTRICAL SYSTEM

Voltage -12V

Alternator -130 Amp.

Battery -Two (2) 12 Volt 1300 CCA Total Maintenance Free

#### ENGINE

Manufacturer: Cummins

Model -ISB

Cylinders -In-Line 6

Displacement -359 cu.in. (5.9 L)

Horsepower -200 (153 kW) @ 2300 RPM

Torque -520 lb. ft. (705 Nm) @ 1600 RPM

Oil Filter -Full-flow, spin on type

Oil Capacity -18 qt. (17 L) with filter

Air Cleaner -Dry type w/ safety element and restriction indicator

Fuel Tank Capacity -50 gal. (189 L) Fuel Filter/Water Separator

#### INSTRUMENTS

Water temp. gauge, hour meter, tachometer, speedometer with trip odometer, fuel gauge, voltmeter, air pressure, oil pressure, transmission temperature.

#### WARNING LIGHTS:

Battery, cab latch, parking brake.

#### WARNING LIGHTS AND CHIME

Low coolant level, high coolant temperature, low oil pressure, low air pressure.

#### SEATS

Two (2) single, adjustable, cloth covered, air ride seats

## STEERING

Type -Full power hydraulic

Size -20 in. (510 mm) diameter steering wheel.

## TRANSMISSION

Allison 2000 Series electronic/5 speed overdrive w/spin on filter.

## WHEELS

Front & Rear -22.5 in. x 8.25 in. (572 mm x 191 mm) steel disc type.

## TIRES:

Front & Rear -11R 22.5

Load Range G (14 ply rating)

## ADDITIONAL FEATURES INCLUDED:

Air Conditioner

Auto Shutdown

Block Heater, 1000 Watt

Viscous Fan

Front Tow Hooks

Tinted Glass—All Windows

Dual West Coast Mirrors

Convex Mirrors (L & R) 8.5 in. (216 mm)

Dual Steering with RH Gauge Package

Air Ride Seats

Cab Pressurizer

Fuel/Water Separator with In-Cab Warning Light

In-Cab Air Cleaner Restriction Indicator

Heated, 4 way-Power Control, Stainless Steel, West Coast Mirrors

Large tool box 27.5 cu ft. (Eagle WF only).

## LIGHTS

Back up alarm.

Gutter broom spotlights.

Alternating rear amber flashers and rear LED lights.

UDOT to supply 48" light bar and vendor to install on cab.

Two amber flashing lights rear facing.

## AUX ENGINE

Diesel engine, four cylinder, turbo charged.

99 hp @ 2500 rpm – minimum, torque 127 ft/lb. @ 1680 RPM.

Engine, radiator, and all auxiliary engines driven mounted through a dedicated engine frame.

Dry type air cleaner with dual elements with pre cleaner to be Turbo II.

Reset type restriction gauge on filter, cab mounted.

Independent electrical system.

Battery with no less than 950 CCA.

50/50 mixture anti-freeze/water storage.

120 amp alternator minimum.

Cold weather start assist system.

Safety shut down system for high temperature of low oil pressure.

#### DIRT HOPPER

7 Gauge steel floor construction with 11 gauge remainder.

Dump angle of 50 degrees.

Volumetric capacity 4.5 cu. yd. minimum.

Dump cycle time 70 seconds.

Hydraulic hopper door and inspection door.

Variable height dumping -from ground level (38" maximum) to truck height (120" minimum.)

Dump system shall be scissor type lift with greaseable pins.

11,000 lbs. dumping capacity.

Hopper to hydraulically side shift toward hopper receptacle 11".

Unlevel grade indicator in cab.

Interlock to prevent dumping hopper without engaging parking brake.

#### WATER SYSTEM

Polyethylene or equivalent 315 -gallon, water tank with drain.

25' X 2 ½" hydrant fill hose with female NST thread end and filter screen at hydrant.

Anti syphon break at tank.

Hydrant hose storage rack and hydrant wrench.

Pump capable of running dry infinitely without damage.

Pump capable of providing 80 PSI.

3 spray tip nozzles at each side broom.

4 spray tip nozzles at on front bumper spray bar with separate activation switch.

3 spray tip nozzles on rear broom spray bar with separate activation switch.

Low water indication light.

All nozzles to be solenoid valve operated with in cab control.

In line 80 mesh filter minimum.

Water pumps shall automatically shut off when water tank is empty unless pump is able to run indefinitely without damage.

Dry dust control system shall allow the same sweep quality and main and side broom contact as the wet dust control system.

Dry dust control system shall be fully SCAQMD Rule 1186 compliant in all recommended modes of sweeping.

Dry dust control system shall utilize an envelope style, in-cab cleanable filter.

Dust control curtains on the side-brooms and main-broom that entrain fugitive dust while not preventing adequate curb contact and light material sweep efficiency.

Fugitive dust to be entrained and removed by a single centrifugal fan.

#### HYDRAULIC

20 gallon minimum, hydraulic reservoir with sight gauge indicating oil level and temperature.

10 micron return filter with cab mounted restriction indicator.

10 micron reservoir vent filter.

10 micron reservoir fill filter.

3 section pump, 26 G.P.M. @ 2500 RPM with direct drive from auxiliary engine.

Electric over hydraulic or pneumatically controls to control all hopper and broom functions.

Auxiliary oil to air cooler.

High pressure fittings shall be flat faced "O" ring type.

All circuits shall have quick-disconnect check ports.



## MAIN BROOM

Main broom of 60" length and 35" diameter minimum. Main broom speed to be variable from 80 to 140 RPM. Sweep path to be 10 feet wide minimum.

Broom to directly driven by hydraulic motor.

To be raised and lowered pneumatically from cab with independent pneumatic suspension.

Down pressure gauge mounted in cab.

Broom pattern pressure shall automatically adjust to maintain set pattern and pressure on uneven surfaces.

To have carbide dirt-shoes. Broom rotation shall stop and raise automatically, when transmission is placed into reverse or when sweeper is put into transport mode.

Rear flood-light to illuminate broom.

## SIDE BROOMS

Dual side brooms 42" minimum diameter that protrude not less than 13" beyond the outside of the tire of the chassis while sweeping.

Broom rotation to be direct drive hydraulic with relief valve protection.

Brooms shall have individual in cab raise and lower controls with broom position light.

Individual in cab down pressure controls with corresponding down pressure gauge.

Each broom to have disposable bolt on segments with wire fill material.

Each broom to have in cab tilt adjustment.

Broom shall have free floating suspension to allow up/down and in/out movement for impact.

Adjustable center debris curtain.

Zink fittings for greasing broom mechanism.

Sweeping width of 10 feet with both curb brooms down.

Broom rotation, forward or reverse, selectable without leaving the cab. Broom rotation stop and raise automatically when transmission is placed into reverse or when the sweeper is put into transport mode.

Broom speed shall be variable 90 RPM to 160 RPM by the operator without leaving the cab.

Steel hood over rear broom.

## CONVEYOR

Belt with molded in rubber cleats.

Direct hydraulic drive with relief valve.

In cab conveyor stall warning with audio and visual warning.

Pneumatically raised and lowered.

Safety system to disable hopper dump if conveyor is in down position.

Conveyor speed to be variable and reversible, without stopping or reversing broom.

Wash down system with hydrant fill hose attachment.

## PAINT AND ELECTRICAL

Sweeper wiring harnesses shall be color coded and hot stamped with appropriate word designation labeled every four inches.

Sweeper electrical system shall be independent from chassis electrical system.

All electrical circuits must be protected by circuit breakers or fuses.

Paint process to be polyester powder coat (coated before assembly) with undercarriage to be polyester powder coated gray, body to be painted standard manufacture's white minimum of 2 mils in thickness.

## **CONTROLS**

To have main broom lift/lower, separate side broom lifts, conveyor direction/activation, hopper full indicator light, separate side broom tilts, aux engine throttle control, hydraulic level warning, hydraulic temp warning, hydraulic filter clog warning, elevator stall audio/visual warning, aux Engine warning lights for oil, temperature, charging, oil pressure gauge, tachometer, water temperature gauge, front spray bar switch, warning light switch, gutter broom lights, rear broom lights, water level warning lights, hopper raise and dump switches. Shall have one button sweeping start and stop for operator safety to engage all set functions. Switches to be illuminated and all circuits to have resettable circuit breakers. Controls to be conventional rocker switches.

## **PART IV: OPTIONS – See price list.**

## **PART V: PARTS AND SERVICE**

Bidder shall list source(s) of parts and service of the purposed equipment. The Contractor must have a Parts and Service Center located in the Salt Lake City, Utah area. Consideration will not be given to bidders unable to satisfy the Utah Department of Transportation or the Division of Purchasing as to the adequacy of their service facilities and the availability of replacement parts.

## **PART VI: DELIVERY, DOCUMENTATION, ACCEPTANCE AND PAYMENT**

### **1. DELIVERY REQUIREMENTS**

1.1 Delivery shall be within 120 days after receipt of order. At State's option or non-UDOT user's option, an extension may be granted, whichever is in user's best interest. Unless a delivery extension is granted for acceptable reasons due to circumstances beyond the vendor's control, liquidated damages of \$80.00 per sweeper will be deducted from the invoice for every working day after the expiration of the number of days shown on the purchase order until the units are delivered. This provision is not intended as a penalty but as liquidated damages.

1.2 Delivery shall be at no additional charge to UDOT STATE headquarters, Equipment Operations, 4501 South 2700 West Salt Lake City, Utah 84119.

### **2. TRAINING**

2.1 INSTRUCTION ON SAFETY, OPERATION AND MAINTENANCE: The vendor shall provide the services of a competent, factory-trained, technician thoroughly trained in the use and operation of the units offered to STATE.

2.2 Vendor shall provide instruction on safety, operation and preventive maintenance of the units, after the units have been delivered and is ready for operation but prior to payment. The instruction shall include a full demonstration of all the unit(s) functions on the unit(s) delivered. Instruction shall identify potentially hazardous situations when working.

2.3 LESSON PLAN: The supplier shall furnish a copy of the manufacturer's approved lesson plan for the instructional training within 30 days after award of the purchase order. The lesson plan may be taken from the operator's manual, provided all necessary information is included.

### 3. DOCUMENTATION

3.1 Delivery must include Supplier's Invoice, a Copy of Warranty(s) and an Operator's Manual for each unit.

3.2 Operators Manual shall include start up procedure, check list for data collection, shut down procedure.

3.3 Delivery must also include ten (3) complete sets of parts lists, and ten (3) sets of shop (repair) manuals for each unit at no additional charge. CD's are acceptable for shop repair manuals.

3.4 Delivery must also include one extra set of replacement filters for entire unit.

### 4. ACCEPTANCE

4.1 All equipment ordered with this request will be subject to acceptance inspection and performance testing upon receipt.

4.2 Acceptance inspection and performance testing will not take more than five working days, weather permitting.

4.3 The vendor will be notified within this time frame of any units that do not comply with the purchase order specifications. If any units are canceled for non-acceptance, the needed equipment may be purchased elsewhere and the vendor may be charged full increase, if any, in cost and handling.

### 5. PAYMENT

5.1 Invoices will not be approved for payment until all of the required spare parts, filters, documentation and manuals have been received and the equipment has been accepted.

## LIMITED WARRANTY

ELGIN SWEEPER COMPANY warrants each new machine manufactured by it against defects in material and workmanship provided the machine is used in a normal and reasonable manner. This warranty is extended only to the original user-purchaser for a period of twelve (12) months from the date of delivery to the original user-purchaser.

ELGIN SWEEPER COMPANY will cause to be repaired or replaced, as the Company, may elect, any part or part of such machine which the Company's examination discloses to be defective in material or workmanship.

Repairs or replacements are to be made at the selling Elgin distributor's location or at other locations approved by ELGIN SWEEPER COMPANY.

The ELGIN SWEEPER COMPANY warranty shall not apply to:

1. Major components or trade accessories such as but not limited to, trucks, engines, tires or batteries that have a separate warranty by the original manufacturer.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as but not limited to, broom filters, broom wire, shoe runners and rubber deflectors.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by ELGIN SWEEPER COMPANY.
5. Repairs, modifications or alterations without the consent of ELGIN SWEEPER COMPANY which, in the Company's sole judgment, have adversely affected the machine's stability or reliability.
6. Items subjected to misuse, negligence, accident or improper maintenance.

The use in the product of any part other than parts approved by ELGIN SWEEPER COMPANY may invalidate this warranty. ELGIN SWEEPER COMPANY reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty.

Nothing contained in this warranty shall make ELGIN SWEEPER COMPANY liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

**TO THE EXTENT LIMITED BY LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

This warranty is also in lieu of all other obligations or liabilities on the part of ELGIN SWEEPER COMPANY, including but not limited to, liability for incidental and consequential damages on the part of the Company or the seller.

ELGIN SWEEPER COMPANY makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine.

No person or affiliated company representative is authorized to give any other warranties or to assume any other liability on behalf of ELGIN SWEEPER COMPANY in connection with the sale, servicing or repair of any machine manufactured by the Company.

ELGIN SWEEPER COMPANY reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.